

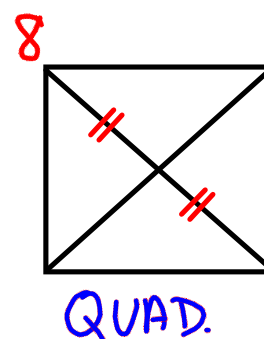
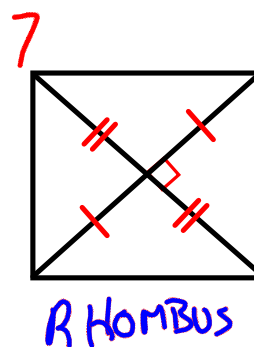
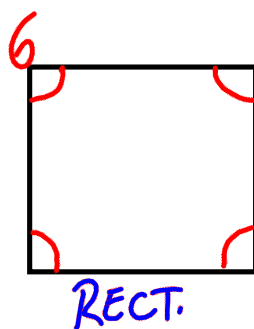
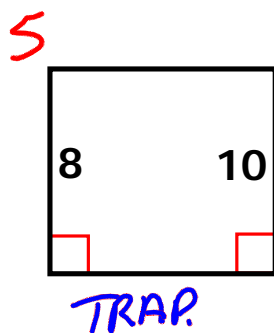
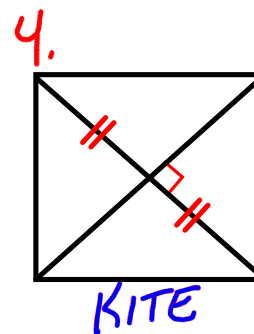
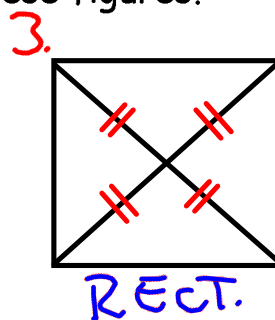
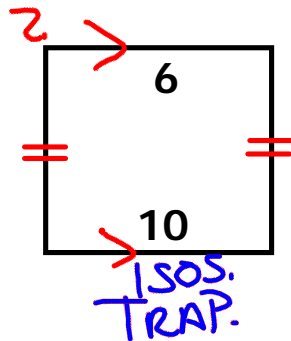
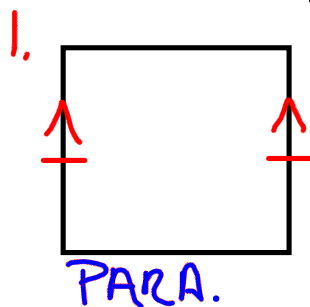
03/05/14    Agenda:

- Answer Keys
- Update Properties Book
  - Whatever is missing (pages 1-8)
- Review Homework
  - Worksheet 11 - Review of Special Quadrilaterals
- Section 8.6 - Identifying Special Quadrilaterals
- Homework
  - Worksheet 12 - Special Quads in the Coordinate Plane

## Warm Up - Get Your Homework Out!

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Give the most specific name for these figures.



## Section 8.6 - Special Quads in the Coordinate Plane

### Target 8F

March 5, 2014

Give the most specific name for this figure.

$(4, 2), (8, 5), (5, 9), (1, 6)$

FIND LENGTH OF

$$\overline{AB} = \sqrt{(5-1)^2 + (9-6)^2}$$

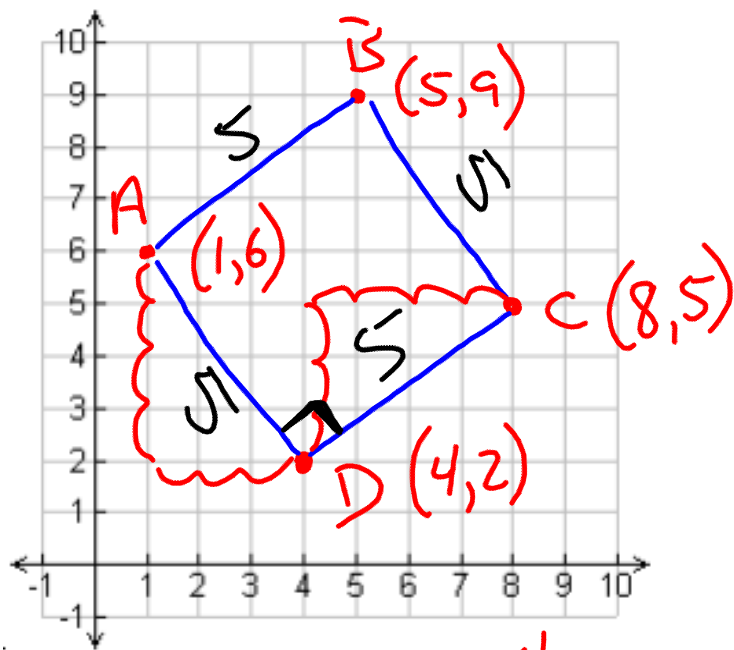
$$= \sqrt{4^2 + 3^2}$$

$$\sqrt{16+9} = \sqrt{25}$$

$$\overline{BC} = \sqrt{(8-5)^2 + (5-9)^2}$$

$$\sqrt{3^2 + (-4)^2}$$

$$\sqrt{9+16}$$



$$m \text{ of } \overline{AD} = -\frac{4}{3}$$

$$m \text{ of } \overline{CD} = \frac{3}{4}$$

## Section 8.6 - Special Quads in the Coordinate Plane

### Target 8F

March 5, 2014

Give the most specific name for this figure.

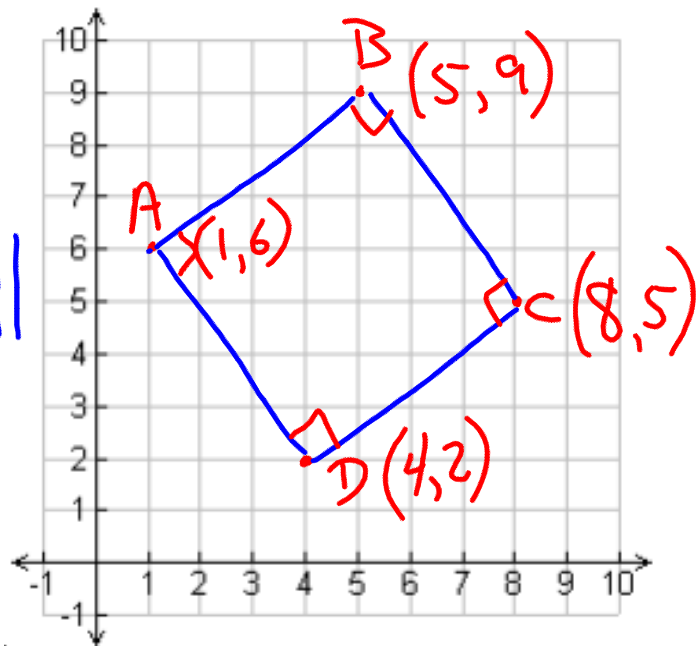
$(4, 2), (8, 5), (5, 9), (1, 6)$

$$m \overline{AB} = \frac{9-6}{5-1} = \frac{3}{4}$$

$$m \overline{DC} = \frac{5-2}{8-4} = \frac{3}{4}$$

$$m \overline{AD} = \frac{-4}{3}$$

$$m \overline{BC} = \frac{-4}{3}$$



$$\frac{-4}{3} \cdot \frac{3}{4} = \frac{-12}{12} = -1$$